

## IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A translation apparatus for translating article information in a first language including an article body and a related headline into a second language, comprising:

a decision unit configured to electronically obtain the article information, and to discriminately identify the article body and the headline in the article information;

~~a phrase alignment processing unit configured to respectively extract a noun phrase from the headline and a noun phrase candidate from a head sentence of the article body, to count coincident words between the noun phrase and the noun phrase candidate, and to output the noun phrase and the noun phrase candidate as a phrase alignment result if a coincidence ratio based on the counted value is above a threshold~~ detect continuous capital letters as an abbreviation from the headline, to detect continuous words each including an initial capital letter as a formal phrase from the head sentence of the article body, to compare the continuous capital letters with a set of combined capital letters extracted from the continuous words, to count as one coincident word if the continuous capital letters coincide with the combined capital letters, and to output the continuous capital letters and the continuous words as a phrase alignment result; and

a translation unit configured to translate the article body and the headline into the second language based on the phrase alignment result.

Claim 2 (Previously Presented): The translation apparatus according to claim 1, wherein said decision unit obtains a uniform resource locator of a Web page of the article information, determines whether the Web page is registered as a news site based on the uniform resource locator, and discriminates the article body and the headline based on a

decision algorithm corresponding to the news site if the a Web page is registered as the news site.

Claim 3 (Previously Presented): The translation apparatus according to claim 2, wherein said decision unit discriminates the article body and the headline based on a decision algorithm corresponding to a general news page if the Web page is not registered as the news site.

Claim 4 (Currently Amended): The translation apparatus according to claim 1, wherein ~~the coincidence ratio based on the counted value is a ratio of a number of the coincident words to a number of words of the noun phrase candidate~~ said phrase alignment processing unit respectively extracts a noun phrase from the headline and a noun phrase candidate from a head sentence of the article body, counts coincident words between the noun phrase and the noun phrase candidate, and outputs the noun phrase and the noun phrase candidate as the phrase alignment result if a coincidence ratio based on a counted value is above a threshold.

Claim 5 (Currently Amended): The translation apparatus according to claim ~~[[1]]~~4, wherein ~~said phrase alignment processing unit detects continuous capital letters as an abbreviation from the headline, detects continuous words each including an initial capital letter as a formal phrase from the head sentence of the article body, compares the continuous capital letters with a set of combined capital letters extracted from the continuous words, and additionally counts as one coincident word if the continuous capital letters coincide with the combined capital letters~~ the coincidence ratio based on the counted value is a ratio of a number of the coincident words to a number of words of the noun phrase candidate.

Claim 6 (Currently Amended): The translation apparatus according to claim [[5]]1, wherein said phrase alignment processing unit converts the abbreviation in the headline to the formal phrase ~~if the coincidence ratio based on the counted value is above the threshold.~~

Claim 7 (Previously Presented): The translation apparatus according to claim 1, wherein said phrase alignment processing unit extracts a noun phrase from the end of the headline, extracts a predetermined pattern including a noun phrase from the head sentence of the article body, and identifies the noun phrase of the headline as an information source part if the noun phrase of the headline and the noun phrase of the predetermined pattern are included in the phrase alignment result.

Claim 8 (Original): The translation apparatus according to claim 1, further comprising:  
a first language-second language parallel corpus configured to store a plurality of articles in the first language and corresponding translated articles in the second language;  
a similar article retrieval unit configured to retrieve an article in the first language and a corresponding translated article in the second language from said first language-second language parallel corpus, the article in the first language describing subject matter similar to the article information for translation, and  
a target word information extraction unit configured to extract target word information from the translated article in the second language, and to supply the target word information to said translation unit.

Claim 9 (Original): The translation apparatus according to claim 8,  
wherein said similar article retrieval unit calculates a similarity degree between frequency of each word in the article information for translation and frequency of each word in each article of the first language stored in said first language-second language parallel corpus, and selects one article of the first language of which the similarity degree is maximum from said first language-second language parallel corpus.

Claim 10 (Original): The translation apparatus according to claim 9,  
wherein said similar article retrieval unit lowers a weight of decision of similarity degree for at least one word of a proper noun, a date and a quantity.

Claim 11 (Original): The translation apparatus according to claim 8,  
wherein said first language-second language parallel corpus correspondingly stores each word in each article of the first language and each target word in the translated article of the second language.

Claim 12 (Original): The translation apparatus according to claim 1,  
wherein said translation unit translates the headline of the first language into the second language by referring to a special rule for translating the headline.

Claim 13 (Currently Amended): A translation method for translating article information in a first language including an article body and a related headline into a second language, comprising:

electronically obtaining the article information;  
discriminately identifying the article body and the headline in the article information;  
~~respectively extracting a noun phrase from the headline and a noun phrase candidate~~  
~~from a head sentence of the article body;~~  
~~counting coincident words between the noun phrase and the noun phrase candidate;~~  
~~outputting the noun phrase and the noun phrase candidate as a phrase alignment result~~  
~~if a coincidence ratio based on the counted value is above a threshold;~~  
detecting continuous capital letters as an abbreviation from the headline;  
detecting continuous words each including an initial capital letter as a formal phrase  
from the head sentence of the article body;  
comparing the continuous capital letters with a set of combined capital letters  
extracted from the continuous words;  
counting as one coincident word if the continuous capital letters coincide with the  
combined capital letters;  
outputting the continuous capital letters and the continuous words as a phrase  
alignment result; and  
translating the article body and the headline into the second language based on the  
phrase alignment result.

Claim 14 (Previously Presented): The translation method according to claim 13,  
further comprising:  
obtaining a uniform resource locator of a Web page of the article information;  
determining whether the Web page is registered as a news site based on the uniform  
resource locator; and

discriminating the article body and the headline based on a decision algorithm corresponding to the news site if the Web page is registered as the news site.

Claim 15 (Previously Presented): The translation method according to claim 14, further comprising:

discriminating the article body and the headline based on a decision algorithm corresponding to a general news page if the Web page is not registered as the news site.

Claim 16 (Currently Amended): The translation method according to claim 13, ~~wherein the coincidence ratio based on the counted value is a ratio of a number of the coincident words to a number of words of the noun phrase candidate~~ further comprising:

respectively extracting a noun phrase from the headline and a noun phrase candidate from a head sentence of the article body;

counting coincident words between the noun phrase and the noun phrase candidate;  
and

outputting the noun phrase and the noun phrase candidate as the phrase alignment result if a coincidence ratio based on a counted value is above a threshold.

Claim 17 (Currently Amended): The translation method according to claim ~~[[13]]~~16, ~~further comprising:~~

~~detecting continuous capital letters as an abbreviation from the headline;~~

~~detecting continuous words each including an initial capital letter as a formal phrase from the head sentence of the article body;~~

~~comparing the continuous capital letters with a set of combined capital letters extracted from the continuous words; and~~

~~additionally counting as one coincident word if the continuous capital letters coincide with the combined capital letters~~ wherein the coincidence ratio based on the counted value is a ratio of a number of the coincident words to a number of words of the noun phrase candidate.

Claim 18 (Currently Amended): The translation method according to claim ~~[[17]]~~13, further comprising:

converting the abbreviation in the headline to the formal phrase ~~if the coincidence ratio based on the counted value is above the threshold.~~

Claim 19 (Previously Presented): The translation method according to claim 13, further comprising:

extracting a noun phrase from the end of the headline;

extracting a predetermined pattern including a noun phrase from the head sentence of the article body; and

identifying the noun phrase of the headline as an information source part if the noun phrase of the headline and the noun phrase of the predetermined pattern are included in the phrase alignment result.

Claim 20 (Original): The translation method according to claim 13,

further comprising:

storing a plurality of articles in the first language and corresponding translated articles in the second language in a first language-second language parallel corpus;

retrieving an article in the first language and a corresponding translated article in the second language from the first language-second language parallel corpus, the article in the first language describing subject matter similar to the article information for translation; and extracting target word information from the translated article in the second language.

Claim 21 (Original): The translation method according to claim 20,

further comprising:

calculating a similarity degree between frequency of each word in the article information for translation and frequency of each word in each article of the first language stored in the first language-second language parallel corpus; and

selecting one article of the first language of which the similarity degree is maximum from the first language-second language parallel corpus.

Claim 22 (Original): The translation method according to claim 21,

further comprising:

lowering a weight of decision of similarity degree for at least one word of a proper noun, a date, and a quantity.

Claim 23 (Original): The translation method according to claim 20,

further comprising:

correspondingly storing each word in each article of the first language and each target word in the translated article of the second language in the first language-second language parallel corpus.

Claim 24 (Original): The translation method according to claim 13,



further comprising:

translating the headline of the first language into the second language by referring to a special rule for translating the headline.

Claim 25 (Currently Amended): A computer program product, comprising:

a computer readable program code embodied in said product for causing a computer to translate article information in a first language including an article body and a related headline into a second language, said computer readable program code having:

a first program code to electronically obtain the article information;

a ~~first~~ second program code to discriminately identify the article body and the headline in the article information;

~~a second program code to respectively extract a noun phrase from the headline and a noun phrase candidate from a head sentence of the article body;~~

~~a third program code to count coincident words between the noun phrase and the noun phrase candidate;~~

~~a fourth program code to output the noun phrase and the noun phrase candidate as a phrase alignment result if a coincidence ratio based on the counted value is above a threshold;~~

a third program code to detect continuous capital letters as an abbreviation from the headline;

a fourth program code to detect continuous words each including an initial capital letter as a formal phrase from the head sentence of the article body;

a fifth program code to compare the continuous capital letters with a set of combined capital letters extracted from the continuous words;

a sixth program code to count as one coincident word if the continuous capital letters coincide with the combined capital letters;

a seventh program code to output the continuous capital letters and the continuous words as a phrase alignment result; and

~~a fifth~~ an eighth program code to translate the article body and the headline into the second language based on the phrase alignment result.